

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	glucocorticosteroid same cadherin same pulmonary	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/12/01 09:42
L2	0	glucocort\$4 same cadherin same pulmonary	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/12/01 09:45
L3	0	glucocort\$4 same cadherin	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/12/01 09:43
L4	79	steroid same cadherin	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/12/01 09:43
L5	0	steroid same cadherin same pulmonary	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/12/01 09:43
L6	0	glucocort\$4 same cadherin	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/12/01 09:45
L7	12	glucocort\$4 and cadherin	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/12/01 09:53
L8	299	glucocort\$8 and cadherin and pulmonary	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/12/01 09:54
L9	0	glucocort\$8 same cadherin same pulmonary	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/12/01 09:54
L10	6	(glucocort\$8 same cadherin) and pulmonary	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2004/12/01 09:54

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TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS 7 SEP 27 SWETSCAN will no longer be available on STN
NEWS 8 OCT 28 KOREAPAT now available on STN
NEWS 9 NOV 18 Current-awareness alerts, saved answer sets, and current
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and SOLIDSTATE reloads
NEWS 10 NOV 30 PHAR reloaded with additional data

NEWS EXPRESS OCTOBER 29 CURRENT WINDOWS VERSION IS V7.01A, CURRENT
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004
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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 09:48:26 ON 01 DEC 2004

=> file .meeting

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ENTRY	SESSION
0.21	0.21

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=> glucocort and cadherin and pulmonary

L1	0 FILE AGRICOLA
L2	0 FILE BIOTECHNO
L3	0 FILE CONFSCI
L4	0 FILE HEALSAFE
L5	0 FILE IMSDRUGCONF
L6	0 FILE LIFESCI
L7	0 FILE MEDICONF
L8	0 FILE PASCAL

TOTAL FOR ALL FILES

L9	0 GLUCOCORT AND CADHERIN AND PULMONARY
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=> glucocort and cadherin

L10	0 FILE AGRICOLA
L11	0 FILE BIOTECHNO
L12	0 FILE CONFSCI
L13	0 FILE HEALSAFE
L14	0 FILE IMSDRUGCONF
L15	0 FILE LIFESCI
L16	0 FILE MEDICONF
L17	0 FILE PASCAL

TOTAL FOR ALL FILES

L18	0 GLUCOCORT AND CADHERIN
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=> glucocorticosteroid and cadherin

L19	0 FILE AGRICOLA
L20	0 FILE BIOTECHNO
L21	0 FILE CONFSCI
L22	0 FILE HEALSAFE
L23	0 FILE IMSDRUGCONF
L24	0 FILE LIFESCI
L25	0 FILE MEDICONF
L26	1 FILE PASCAL

TOTAL FOR ALL FILES

=> d l27 ibib abs total

L27 ANSWER 1 OF 1 PASCAL COPYRIGHT 2004 INIST-CNRS. ALL RIGHTS RESERVED. on STN

ACCESSION NUMBER: 2004-0373082 PASCAL
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 TITLE (IN ENGLISH): Pemphigus vulgaris acantholysis ameliorated by cholinergic agonists
 AUTHOR: VU THUONG NGUYEN; ARREDONDO Juan; CHERNYAVSKY Alexander I.; PITTELKOW Mark R.; KITAJIMA Yasuo; GRANDO Sergei A.
 CORPORATE SOURCE: Departments of Dermatology, University of California Davis, Sacramento, United States; Mayo Clinic, Rochester, Minn, Japan; Gifu University, Gifu City, Japan
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 AB Background: Pemphigus vulgaris (PV) is an autoimmune, IgG autoantibody-mediated disease of skin and mucosa leading to progressive blistering and nonhealing erosions. Patients develop autoantibodies to adhesion molecules mediating intercellular adhesion and to keratinocyte cholinergic receptors regulating cell adhesion. Observations: To determine whether a cholinergic agonist can abolish PV IgG-induced acantholysis, litter mates of neonatal athymic nude mice were injected with PV IgG together with carbachol (0.04 µg/g body weight). None of these mice developed skin lesions. Through in vitro experiments, we measured the expression of adhesion molecules in monolayers of normal human keratinocytes incubated overnight in the presence of 0.25mM carbachol using semiquantitative Western blot and immunofluorescence. Carbachol caused an elevation of the relative amount of E-cadherin in keratinocytes (P<.05) without changing that of plakoglobin (P>.05). The phosphorylation level of E-cadherin and plakoglobin was increased by PV IgG, whereas this effect of PV IgG was attenuated in the presence of 0.5mM carbachol. Pyridostigmine bromide, an acetylcholinesterase inhibitor, produced effects similar to those of carbachol, which helps explain its clinical efficacy in a patient with active PV that was resistant to treatment with systemic glucocorticosteroids. Treatment with pyridostigmine bromide (360 mg/d) in a patient with PV allowed to keep his disease under control at a lower dose of prednisone than that used before starting pyridostigmine bromide treatment. Conclusion: Elucidation of the cholinergic control of keratinocyte adhesion merits further consideration because of a potential for the development of novel anti-acantholytic therapies using cholinergic drugs.